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- (a) a nucleotide sequence encoding a polypeptide comprising amino acids from about 1 to about 750 in SEQ ID NO:2;
- (b) a nucleotide sequence encoding a polypeptide comprising amino acids from about 1 to about 750 in SEQ ID NO:2;
- (c) a nucleotide sequence encoding a polypeptide comprising amino acids from about 1 to about 750 in SEQ ID NO:2;
- (d) a nucleotide sequence encoding a polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. PTA-349;
- (e) a nucleotide sequence encoding the mature TR13 polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. PTA-349;
- (f) a nucleotide sequence encoding a polypeptide comprising amino acids from about 1 to about 231 in SEQ ID NO:61;
- (g) a nucleotide sequence encoding a polypeptide comprising amino acids from about 2 to about 231 in SEQ ID NO:61;
- (h) a nucleotide sequence encoding a polypeptide comprising amino acids from about 1 to about 138 in SEQ ID NO:61;
- (i) a nucleotide sequence encoding a polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. PTA-348;
- (j) a nucleotide sequence encoding a polypeptide comprising amino acids 1 to 226 of SEQ ID NO:5;
- (k) a nucleotide sequence encoding the TR14 extracellular domain;
- (l) a nucleotide sequence encoding the TR14 transmembrane domain;
- (m) a nucleotide sequence encoding the TR14 intracellular domain;
- (n) a nucleotide sequence encoding the TR14 receptor extracellular and intracellular domains with all or part of the transmembrane domain deleted;
- (o) a nucleotide sequence encoding a polypeptide comprising amino acids from about 1 to about 1001 in SEQ ID NO:40;
- (p) a nucleotide sequence encoding a polypeptide comprising amino acids from about 2 to about 1001 in SEQ ID NO:40;

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- (q) a nucleotide sequence encoding a polypeptide comprising amino acids from about 42 to about 1001 in SEQ ID NO:40;
- (r) a nucleotide sequence encoding a polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. PTA-507;
- (s) a nucleotide sequence encoding the mature TR13 polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. PTA-507;
- (t) a nucleotide sequence encoding the TR13 extracellular domain;
- (u) a nucleotide sequence encoding the TR13 transmembrane domain;
- (v) a nucleotide sequence encoding the TR13 intracellular domain;
- (w) a nucleotide sequence encoding the TR13 receptor extracellular and intracellular domains with all or part of the transmembrane domain deleted; and
- (x) a nucleotide sequence complementary to any of the nucleotide sequences in (a), (b), (c), (d), (e), (f), (g), (h), (i), (j), (k), (l), (m), (n), (o), (p), (q), (r), (s), (t), (u), (v), or (w).

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7. (Once Amended) The nucleic acid molecule of claim 1, wherein said polynucleotide has the nucleotide sequence in SEQ ID NO:39 encoding the TR13 receptor having the amino acid sequence in SEQ ID NO:40.

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33. (Once Amended) The isolated nucleic acid molecule of claim 1 comprising a polynucleotide having a sequence at least 95% identical to a sequence selected from the group consisting of:

- (a) the nucleotide sequence of clone HETAQ12R (SEQ ID NO:48);
- (b) the nucleotide sequence of clone HETAK82R (SEQ ID NO:49);
- (c) the nucleotide sequence of clone HETBM71R (SEQ ID NO:50);
- (d) the nucleotide sequence of clone HETBH18R (SEQ ID NO:51);
- (e) the nucleotide sequence of clone HEPAB26R (SEQ ID NO:52);
- (f) the nucleotide sequence of clone HETAN38R (SEQ ID NO:53);
- (g) the nucleotide sequence of clone HPWDD30R (SEQ ID NO:54);
- (h) the nucleotide sequence of clone HETAT05R (SEQ ID NO:55);

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- (i) the nucleotide sequence of clone HETDQ39R (SEQ ID NO:56);
- (j) the nucleotide sequence of clone HPWBL93R (SEQ ID NO:57);
- (k) the nucleotide sequence of clone HETEM84R (SEQ ID NO:58);
- (l) the nucleotide sequence of clone HSIDV42R (SEQ ID NO:59); and
- (m) a nucleotide sequence complementary to any of the nucleotide sequences in (a), (b), (c), (d), (e), (f), (g), (h), (i), (j), (k), (l) or (m) above.--

Please add the following new claims:

64. (New) An isolated nucleic acid molecule comprising a polynucleotide encoding a first amino acid sequence at least 95% identical to a second amino acid sequence selected from the group consisting of:

- (a) amino acid residues 1 to 1001 of SEQ ID NO:40;
- (b) amino acid residues 2 to 1001 of SEQ ID NO:40;
- (c) amino acid residues 42 to 1001 of SEQ ID NO:40;
- (d) amino acid residues 296 to 1001 of SEQ ID NO:40;
- (e) amino acid residues 1 to 906 of SEQ ID NO:40;
- (f) amino acid residues 2 to 906 of SEQ ID NO:40;
- (g) amino acid residues 42 to 906 of SEQ ID NO:40; and
- (h) amino acid residues 296 to 906 of SEQ ID NO:40.

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65. (New) The isolated nucleic acid molecule of claim 64, wherein said first amino acid sequence is at least 95% identical to (a).

66. (New) The isolated nucleic acid molecule of claim 65, wherein said first amino acid sequence is (a).

67. (New) The isolated nucleic acid molecule of claim 66, which comprises nucleotides 58 to 3060 of SEQ ID NO:39.

68. (New) The isolated nucleic acid molecule of claim 64, wherein said first amino acid sequence is at least 95% identical to (b).

69. (New) The isolated nucleic acid molecule of claim 68, wherein said first amino acid sequence is (b).

70. (New) The isolated nucleic acid molecule of claim 69, which comprises nucleotides 61 to 3060 of SEQ ID NO:39.

71. (New) The isolated nucleic acid molecule of claim 64, wherein said first amino acid sequence is at least 95% identical to (c).

72. (New) The isolated nucleic acid molecule of claim 71, wherein said first amino acid sequence is (c).

73. (New) The isolated nucleic acid molecule of claim 72, which comprises nucleotides 181 to 3060 of SEQ ID NO:39.

74. (New) The isolated nucleic acid molecule of claim 64, wherein said first amino acid sequence is at least 95% identical to (d).

75. (New) The isolated nucleic acid molecule of claim 74, wherein said first amino acid sequence is (d).

76. (New) The isolated nucleic acid molecule of claim 75, which comprises nucleotides 943 to 3060 of SEQ ID NO:39.

77. (New) The isolated nucleic acid molecule of claim 64, wherein said first amino acid sequence is at least 95% identical to (e).

78. (New) The isolated nucleic acid molecule of claim 77, wherein said first amino acid sequence is (e).

79. (New) The isolated nucleic acid molecule of claim 78, which comprises nucleotides 58 to 2775 of SEQ ID NO:39.

80. (New) The isolated nucleic acid molecule of claim 64, wherein said first amino acid sequence is at least 95% identical to (f).

81. (New) The isolated nucleic acid molecule of claim 80, wherein said first amino acid sequence is (f).

82. (New) The isolated nucleic acid molecule of claim 81, which comprises nucleotides 61 to 2775 of SEQ ID NO:39.

83. (New) The isolated nucleic acid molecule of claim 64, wherein said first amino acid sequence is at least 95% identical to (g).

84. (New) The isolated nucleic acid molecule of claim 83, wherein said first amino acid sequence is (g).

85. (New) The isolated nucleic acid molecule of claim 84, which comprises nucleotides 181 to 2775 of SEQ ID NO:39.

86. (New) The isolated nucleic acid molecule of claim 64, wherein said first amino acid sequence is at least 95% identical to (h).

87. (New) The isolated nucleic acid molecule of claim 86, wherein said first amino acid sequence is (h).

88. (New) The isolated nucleic acid molecule of claim 87, which comprises nucleotides 943 to 2775 of SEQ ID NO:39.

89. (New) An isolated nucleic acid molecule complementary to the isolated nucleic acid molecule of claim 64.

90. (New) The isolated nucleic acid molecule of claim 64, wherein said nucleic acid is DNA.

91. (New) The isolated nucleic acid molecule of claim 64, wherein said nucleic acid is RNA.

92. (New) The isolated nucleic acid molecule of claim 64, wherein said nucleic acid is double-stranded.

93. (New) The isolated nucleic acid molecule of claim 64, wherein said nucleic acid is single-stranded.

94. (New) A composition comprising the nucleic acid molecule of claim 64 and a carrier.

95. (New) The isolated nucleic acid molecule of claim 64 wherein the nucleic acid molecule further comprises a heterologous polynucleotide sequence.

96. (New) The isolated nucleic acid molecule of claim 95, wherein said heterologous polynucleotide sequence encodes a heterologous polypeptide.

97. (New) The isolated nucleic acid molecule of claim 96, wherein said heterologous polypeptide is human serum albumin.

98. (New) The isolated nucleic acid molecule of claim 96, wherein said heterologous polypeptide is a human IgG Fc region.

99. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 64.

100. (New) The recombinant vector of claim 99 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

101. (New) A recombinant host cell comprising the isolated nucleic acid molecule of claim 64.

102. (New) The recombinant host cell of claim 101 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

103. (New) A method for producing a polypeptide comprising an amino acid sequence selected from the group consisting of:

- (a) amino acid residues 1 to 1001 of SEQ ID NO:40;
- (b) amino acid residues 2 to 1001 of SEQ ID NO:40;

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- (c) amino acid residues 42 to 1001 of SEQ ID NO:40;
- (d) amino acid residues 296 to 1001 of SEQ ID NO:40;
- (e) amino acid residues 1 to 906 of SEQ ID NO:40;
- (f) amino acid residues 2 to 906 of SEQ ID NO:40;
- (g) amino acid residues 42 to 906 of SEQ ID NO:40; and
- (h) amino acid residues 296 to 906 of SEQ ID NO:40;

comprising culturing a host cell comprising the nucleic acid molecule of claim 64 under conditions suitable to produce the polypeptide of (a), (b), (c), (d), (e), (f), (g) or (h) and recovering the polypeptide of (a), (b), (c), (d), (e), (f), (g) or (h).

104. (New) An isolated nucleic acid molecule comprising a polynucleotide encoding a first amino acid sequence at least 95% identical to a second amino acid sequence selected from the group consisting of:

- (a) the amino acid sequence of the full-length TR13 polypeptide encoded by the cDNA contained in ATCC Deposit No. PTA-507;
- (b) the amino acid sequence of the full-length TR13 polypeptide encoded by the cDNA contained in ATCC Deposit No. PTA-507, minus the N-terminal methionine residue;
- (c) the amino acid sequence of the mature TR13 polypeptide encoded by the cDNA contained in ATCC Deposit No. PTA-507;
- (d) the amino acid sequence of the extracellular domain of the full-length TR13 polypeptide encoded by the cDNA contained in ATCC Deposit No. PTA-507;
- (e) the amino acid sequence of the extracellular domain of the full-length TR13 polypeptide encoded by the cDNA contained in ATCC Deposit No. PTA-507, minus the N-terminal methionine residue; and
- (f) the amino acid sequence of the extracellular domain of the mature TR13 polypeptide encoded by the cDNA contained in ATCC Deposit No. PTA-507.

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105. (New) The isolated nucleic acid molecule of claim 104, wherein said first amino acid sequence is at least 95% identical to (a).

106. (New) The isolated nucleic acid molecule of claim 105, wherein said first amino acid sequence is (a).

107. (New) The isolated nucleic acid molecule of claim 104, wherein said first amino acid sequence is at least 95% identical to (b).

108. (New) The isolated nucleic acid molecule of claim 107, wherein said first amino acid sequence is (b).

109. (New) The isolated nucleic acid molecule of claim 104, wherein said first amino acid sequence is at least 95% identical to (c).

110. (New) The isolated nucleic acid molecule of claim 109, wherein said first amino acid sequence is (c).

111. (New) The isolated nucleic acid molecule of claim 104, wherein said first amino acid sequence is at least 95% identical to (d).

112. (New) The isolated nucleic acid molecule of claim 111, wherein said first amino acid sequence is (d).

113. (New) The isolated nucleic acid molecule of claim 104, wherein said first amino acid sequence is at least 95% identical to (e).

114. (New) The isolated nucleic acid molecule of claim 113, wherein said first amino acid sequence is (e).

115. (New) The isolated nucleic acid molecule of claim 104, wherein said first amino acid sequence is at least 95% identical to (f).

116. (New) The isolated nucleic acid molecule of claim 115, wherein said first amino acid sequence is (f).

117. (New) An isolated nucleic acid molecule complementary to the isolated nucleic acid molecule of claim 104.

118. (New) The isolated nucleic acid molecule of claim 104, wherein said nucleic acid is DNA.

119. (New) The isolated nucleic acid molecule of claim 104, wherein said nucleic acid is RNA.

120. (New) The isolated nucleic acid molecule of claim 104, wherein said nucleic acid is double-stranded.

121. (New) The isolated nucleic acid molecule of claim 104, wherein said nucleic acid is single-stranded.

122. (New) A composition comprising the nucleic acid molecule of claim 104 and a carrier.

123. (New) The isolated nucleic acid molecule of claim 104 wherein the nucleic acid molecule further comprises a heterologous polynucleotide sequence.

124. (New) The isolated nucleic acid molecule of claim 123, wherein said heterologous polynucleotide sequence encodes a heterologous polypeptide.

125. (New) The isolated nucleic acid molecule of claim 124, wherein said heterologous polypeptide is human serum albumin.

126. (New) The isolated nucleic acid molecule of claim 124, wherein said heterologous polypeptide is a human IgG Fc region.

127. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 104.

128. (New) The recombinant vector of claim 127 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

129. (New) A recombinant host cell comprising the isolated nucleic acid molecule of claim 104.

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130. (New) The recombinant host cell of claim 129 wherein the nucleic acid molecule is operably associated with a heterologous regulatory sequence that controls gene expression.

131. (New) A method for producing a polypeptide comprising an amino acid sequence selected from the group consisting of:

- (a) the amino acid sequence of the full-length TR13 polypeptide encoded by the cDNA contained in ATCC Deposit No. PTA-507;
- (b) the amino acid sequence of the full-length TR13 polypeptide encoded by the cDNA contained in ATCC Deposit No. PTA-507, minus the N-terminal methionine residue;
- (c) the amino acid sequence of the mature TR13 polypeptide encoded by the cDNA contained in ATCC Deposit No. PTA-507;
- (d) the amino acid sequence of the extracellular domain of the full-length TR13 polypeptide encoded by the cDNA contained in ATCC Deposit No. PTA-507;
- (e) the amino acid sequence of the extracellular domain of the full-length TR13 polypeptide encoded by the cDNA contained in ATCC Deposit No. PTA-507, minus the N-terminal methionine residue; and
- (f) the amino acid sequence of the extracellular domain of the mature TR13 polypeptide encoded by the cDNA contained in ATCC Deposit No. PTA-507;

comprising culturing a host cell comprising the nucleic acid molecule of claim 104 under conditions suitable to produce the polypeptide of (a), (b), (c), (d), (e) or (f) and recovering the polypeptide of (a), (b), (c), (d), (e) or (f).
